

## **CURRENT FEEDERS FOR ELECTROCHEMICAL CELL STACKS**

### **ABSTRACT OF THE DISCLOSURE**

Improved electrochemical cell plates comprise a polymer layer and an electrically  
conductive structure that passes through the polymer layer, which provides electrical  
5 conductivity between adjacent cells in an electrochemical cell stack. Since the cell plates  
are composed of a polymeric layer, the cell plates can be more easily sealed to cell frame  
of the fuel cell stack. Additionally, the conductive structures of the cell plates provide  
low electrical resistance pathways for current flow between the anode of one cell and the  
cathode of an adjacent cell. Furthermore, in some embodiments of the present disclosure,  
10 the conductive structure can also serve to maintain the spacing between adjacent cells.